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JUL 17 2007

IN THE CLAIMS

A listing of all claims and their current status in accordance with 37 C.F.R. § 1.121(c) is provided below.

1. (Previously presented) A managed computer system, comprising:
an expansion slot;
a bus interconnected with the expansion slot;
an expansion board comprising a processor, the board disposed in the expansion slot; and
a remote console functionality assist logic structure controlled by the processor to provide video signals generated by the managed computer system to a remote computer system and configured to operate independently of a central processing unit (CPU) of the managed computer system.

2. (Withdrawn) The computer system as set forth in claim 1, wherein the bus comprises a Peripheral Component Interconnect (PCI) bus.

3. (Previously presented) The managed computer system as set forth in claim 1, wherein the remote console functionality assist logic structure comprises a video encoder for encoding video signals transmitted between a video controller and a system processor associated with the managed computer system.

4. (Withdrawn) The computer system as set forth in claim 1, wherein the remote console functionality assist logic structure comprises a keyboard interface logic circuit.

5. (Previously presented) A managed computer system, comprising:
an Input/Output (I/O) processor disposed on a bus;
a video controller disposed on the bus; and
a remote console functionality assist logic structure disposed on the bus and configured to operate notwithstanding whether a central processing unit (CPU) of the managed computer system malfunctions, the structure controlled by the processor to provide video signals of the video controller to a remote computer system.

6. (Withdrawn) The computer system as set forth in claim 5, wherein the bus comprises a Peripheral Component Interconnect (PCI) bus.

7. (Previously presented) The managed computer system as set forth in claim 5, wherein the remote console functionality assist logic structure comprises a video encoder for encoding video signals of the video controller.

8. (Withdrawn) The computer system as set forth in claim 5, wherein the remote console functionality assist logic structure comprises a keyboard interface logic circuit.

9. (Previously presented) A managed computer system, comprising:

an expansion slot;

a bus adapted to connect a plurality of devices and the expansion slot;

an add-in board disposed in the expansion slot, the add-in board comprising an on-board processor; and

a remote server console device adapted to communicate on the bus without diverting resources from a system processor of the managed computer system, the remote server console device having a remote console functionality assist logic structure controlled by the on-board processor.

10. (Withdrawn) The computer system of claim 9 wherein the add-in board comprises a connector that facilitates the transmission of control signals associated with the processor to the remote server console device.

11. (Withdrawn) The computer system of claim 9 wherein the remote console functionality assist logic structure comprises a system management controller.

12. (Withdrawn) The computer system of claim 9 wherein the remote console functionality assist logic structure comprises an interrupt controller associated with the processor.

13. (Withdrawn) The computer system as set forth in claim 9, wherein the add-in board comprises a back-up power source.

14. (Previously presented) The managed computer system as set forth in claim 9, wherein the remote console functionality assist logic structure comprises a video encoder for encoding video signals of a video controller associated with the computer system.

15. (Withdrawn) The computer system as set forth in claim 9, wherein the remote console functionality assist logic structure comprises a keyboard interface logic circuit.

16. (Previously presented) A remote server management control system for a computer system, the computer system comprising a bus adapted to connect a plurality of devices and an expansion slot, the remote server management control system comprising:

an add-in board disposed in the expansion slot, the add-in board comprising a processor; and

a remote server console device adapted to communicate on the bus, the device comprising a remote console functionality assist logic structure controlled by the processor and configured to operate independently of a central processing unit (CPU) of the computer system.

17. (Withdrawn) The remote server management control system as set forth in claim 16, wherein the add-in board comprises a connector that facilitates the transmission of control signals associated with the processor to the remote server console device.

18. (Withdrawn) The remote server management control system as set forth in claim 16, wherein the remote console functionality assist logic structure comprises a system management controller.

19. (Withdrawn) The remote server management control system as set forth in claim 16, wherein the remote console functionality assist logic structure comprises an interrupt controller for the processor.

20. (Withdrawn) The remote server management control system as set forth in claim 16, wherein the add-in board comprises a back-up power source.

21. (Original) The remote server management control system as set forth in claim 16, wherein the remote console functionality assist logic structure comprises a video encoder for encoding video signals of a video controller associated with the computer system.

22. (Withdrawn) The remote server management control system as set forth in claim 16, wherein the remote console functionality assist logic structure comprises a keyboard interface logic circuit.

23. (Previously presented) A remotely managed computer system, comprising:

a system processor operably coupled to an Input/Output (I/O) bus;

a video controller disposed on the bus to provide video signals to the remotely managed computer system; and

a remote console functionality assist logic structure disposed on the bus, the logic structure adapted to capture the video signals of the video controller and direct video information to a remote computer system notwithstanding whether a system processor of the remotely managed computer system is functioning properly.

24. (Withdrawn) The computer system as set forth in claim 23, wherein the bus comprises a Peripheral Component Interconnect (PCI) bus.

25. (Previously presented) The remotely managed computer system as set forth in claim 23, wherein the remote console functionality assist logic structure comprises a video encoder for encoding video signals of the video controller.

26. (Withdrawn) The computer system as set forth in claim 23, wherein the remote console functionality assist logic structure comprises a keyboard interface logic circuit.

27. (Withdrawn) The computer system as set forth in claim 23, wherein the remote console functionality assist logic structure a system management controller.

28. (Withdrawn) The computer system as set forth in claim 23, comprising an Input/Output processor adapted to control the remote console functionality assist logic structure.

29. (Withdrawn) The computer system as set forth in claim 23, wherein the remote console functionality assist logic structure comprises an interrupt controller for the Input/Output processor.

30. (Previously presented) A method of remotely monitoring a computer system, comprising the acts of:

establishing a connection between the computer system and a remote terminal; and

controlling a remote console functionality assist logic structure with an Input/Output processor, the remote console functionality assist logic structure being associated with the computer system and configured to operate without regard to whether a central processing unit (CPU) of the computer system is malfunctioning.

31. (Withdrawn) The method as set forth in claim 30, wherein the act of establishing comprises the act of setting up an in-band connection.

32. (Withdrawn) The method as set forth in claim 30, wherein the act of establishing comprises the act of setting up an out-of-band connection.

33. (Previously presented) A method of providing remote console functionality assist logic in a computer system, the computer system comprising a bus that is adapted to connect a plurality of devices and an expansion slot, the method comprising the acts of:

providing the computer system with an add-in board disposed in the expansion slot, the add-in board comprising a processor configured to operate independently of a central processing unit (CPU) of the computer system; and

providing the computer system with a remote server console device adapted to communicate on the bus, the remote server console device comprising a

remote console functionality assist logic structure, wherein the operation of the remote server console device is controlled by the processor.

34. (Withdrawn) The method as set forth in claim 33, comprising the act of providing the add-in board with a connector that facilitates the transmission of control signals associated with the processor to the remote server console device.

35. (Withdrawn) The method as set forth in claim 33, comprising the act of providing the remote console functionality assist logic structure with a system management controller.

36. (Withdrawn) The method as set forth in claim 33, comprising the act of providing the remote console functionality assist logic structure with an I/O processor interrupt controller.

37. (Withdrawn) The method as set forth in claim 33, comprising the act of providing the add-in board with a back-up power source.

38. (Original) The method as set forth in claim 33, comprising the act of providing the remote console functionality assist logic structure with a video encoder for encoding video signals of a video controller associated with the computer system.

39. (Withdrawn) The method as set forth in claim 33, comprising the act of providing the remote console functionality assist logic structure with a keyboard interface logic circuit.

40. (Previously presented) A method of providing remote server management control functionality in a computer system, the method comprising the acts of:

providing the computer system with a remote console functionality assist logic structure adapted to monitor activities in the computer system and provide data to a remote user; and

providing a processor contained on an add-in board mounted in an expansion slot on a communication bus in the computer system to control the remote console functionality assist logic.

41. (Withdrawn) The method as set forth in claim 40, comprising the act of providing the add-in board with a connector that facilitates the transmission of control signals associated with the processor to the remote console functionality assist logic structure.

42. (Withdrawn) The method as set forth in claim 40, comprising the act of providing the remote console functionality assist logic structure with a system management controller.

43. (Withdrawn) The method as set forth in claim 40, comprising the act of providing the remote console functionality assist logic structure with an interrupt controller for the processor.

44. (Withdrawn) The method as set forth in claim 40, comprising the act of providing the add-in board with a back-up power source.

45. (Original) The method as set forth in claim 40, comprising the act of providing the remote console functionality assist logic structure with a video encoder for encoding video signals of a video controller associated with the computer system.

46. (Withdrawn) The method as set forth in claim 40, comprising the act of providing the remote console functionality assist logic structure with a keyboard interface logic circuit.

47. (Previously presented) A method of transmitting video data between a remotely managed computer system and a remote computer system, comprising the acts of:

using a remote console functionality assist logic structure disposed on a bus and controlled by an Input/Output processor configured to operate independently of a central processing unit (CPU) of the remotely managed computer system to provide video signals of a video controller of the remotely managed computer system to the remote computer system.

48. (Withdrawn) The method as set forth in claim 47, wherein the bus comprises a Peripheral Component Interconnect (PCI) bus.

49. (Original) The method as set forth in claim 47, comprising the act of using a video encoder of the remote console functionality assist logic structure for encoding video signals of the video controller.

50. (Withdrawn) The method as set forth in claim 47, wherein the remote console functionality assist logic structure comprises a keyboard interface logic circuit.